

FIRE-PROOF CONSTRUCTION.—FOX
BARRETT'S PATENT.—The great importance of fire-proof construction is shown by the recently published returns.

This reveals almost strong co-operation of a few states in the United States, and a somewhat smaller number of states in Canada, the number actually exceeding 1,000, or an average of three to four million feet of lumber per year. It is not surprising that the **JOINT AGREEMENT FOR THE PROTECTION OF THE DANGER OF FIRE**, and when to this fact is added the fact that timber is also liable to dry rot and the ravages of insects, it is not surprising that it is a very hardy material, the machine made from the extensive use of it.

It becomes, then, with the attention of those who are interested in building, to inquire whether materials of an imperishable nature can be substituted for timber in the construction of floors, joists, and other parts of buildings. It is known that it is possible to substitute a number of buildings of all classes, either finished or in construction, upon the above improved system, in which **wood, steel, or cast-iron**, are substituted for timber, together with solid masonry walls, and adapted to receive a finished floor of floor or roof of any kind.

Among the buildings at present in progress in London on the system is the new **QUEEN'S HOSPITAL**, an extensive range providing accommodation for 200 additional beds and for building of this description and magnitude, as well as for **PRIVATE DWELLING-HOUSES, OFFICES, WAREHOUSES**, &c. in proportion very great and various.

A detailed description of the system, estimates, and all further information, may be obtained on application to the **PROPRIETOR** of the patent.

Mr. BARRETT (also Fox and Barrett),
12, York-buildings, Adelphi,
whose offices form part of a building erected on this principle, and
where specimens of the rolled iron joists may be seen.

WANTED, delivered, or within easy access of any of the South-Eastern Railway stations from Hereford down to London, about one and one-half million **BRICKS**, viz. Bosta, Plain, and Stock - Standard quality, and lowest price for cash, to **MR. CLEARY, Builder, 30 Tottenham-square, St. Dunstons Town, London**

WANTED, about 1,000,000 of STOCK and PLACE BRICKS delivered alongside in the Thames also about 100 LEADS of TIMBER, Deals and battens in proportion. -Tenders and terms to be addressed to R. H. OFFICE of "The Brickmakers and Timber Merchants"

MINTON AND CO.'S ENCAUSTIC
and other PATENT TILES for Churches, Entrance Halls,
Conservatories, Balconies, &c. Antique, Geometrical, and Arabian
tile Mosaic, manufacturers of highly decorative character such
extreme durability, **Flats and Tiles**, for Fireplaces and Hearths,
Coverings for Grates, **Door Furniture**, **Walls Glazed and Painted**,
Tiles for Baths, **Staircases**, and **Kitchen Ranges**, may be had in great
variety at their Warehouse, 8, Abchurch Lane, **Blackfriars**,
London, and at their Manufactory, Stoke Newington, Middlesex.

MAW'S ENCAUSTIC TILES. — Prices and Samples (Plain or Glazed) of this beautiful and durable production of medieval art, and Patterns appropriate for the floors or walls of public and private edifice, in every style of design, forwarded on application to MAW and CO. at their Works, Worcester, N.B. — Plans of spaces to be paved covered with Encaustic Tiles, or with Tiles Pattern, without charge.

ORNAMENTAL TILING for ROOFS.—The Society of Arts awarded **MR. ROBERT BROWN** a Medal for his improved Italian Tiles, and to the **Great Exhibition of 1883** they were awarded a **First Medal**, and were the only Italian tiles actually named by the jury. These tiles have been used by **MR. CHARLES BERRY**, and other architects, and have met the most marked approval; they have also received the approval of countries.

stone in most parts of Europe. The slight curve enables the lower courses to be fitted closely together without mortar or cement. The upper courses, which are indented, thus have a perfect security against the driving of wind or rain;—where a building, therefore, is constructed with these tiles, the exact appearance of the roof is not marred by the use of lead or other material. The clay of green sand is the best for them, and is permanent. They are supplied at a moderate price per square.

ORNAMENTAL PLAIN TILES. In great variety, made from the Marlborough clay, and also from the Staffordshire terra-marina clay, and of various patterns.

PLATS GOthic RIDGE TILES, HOP and VALLEY TILES, and Covering BRICKS.

THE GROOVED RIDGE TILE. For the reception of any useful outline of vertical ornament, was invented by Mr. Robert Rives, and for which invention he also received from the Society of Arts a medal. He now makes these tiles of any desired colour, from the Saffordian clay, as also from the Staffordshire terra-cotta clay. He has lately devoted great attention to the varied relations of form, so as to adapt them to the different periods of

known Arabesque. The attention of architects is particularly attracted to these ridge tiles of a green colour. They are supplied at a stated price per foot run. Mr. Robert Brown, trustee of architects who consider the Grooved Ridge Tile worthy of introduction, will think it but fair and honourable that the inventor should supply them, provided he does so as cheaply and well as any other party. But should even this hope not be realized, he will still have the satisfaction of having been the inventor of an article which has become of universal adoption.

T. L. WOOD, 215, N. 4th St., PHILADELPHIA.

WHITE SUFFOLK and RED FACING
BRICKS of superior quality. Moulded Bricks to all patterns.

COWLEY, KENT, and ESSEX BRICKS; also Yellow and Pale Malin Seconds, Cottages, Pavings, etc.

KENTISH RAG STONE of the finest quality, and of the size
 and so much approved by architects, can now be supplied, at a
 FURTHER and CONSIDERABLE REDUCTION in PRICE.
 Apply to Mr BENJAMIN GOUGH, Esq, Newington-crescent,
 Newington, Putney.

PAN TILES, 48s. per 1000; PLAIN ditto, 32s. 6d.
per 1000; **FIRE BRICKS, 6s. per 1000—WARD and O'Sullivan's Wharf, Blackhead, are now offering their Fire Goods**
nothing about to make a considerable alteration in their Prices
at very reduced prices. Dutch Glaziers, Window Loom, Tiles and
Articles: Fire-clay, squarer, 12 inches and 9 inches; Paving Tiles
of a rich colour, of a very low price. *See Post Office Directory*

HOOPER'S WHITE BRICKS, moulded for Plaster, Jam's, Chimney-shafts, Wall-coppings (at from 10 to 12 cts. per foot run); Facing Tiles of different patterns, in white, red, and blue; Façade Roofing and Ridge Tiles, colour'd brown, for slate; White Marble Tiles, for facing buildings, &c. sent to all parts of the country direct from the kilns.—Office, 2 Portland Road, Southampton, where samples and illustrated price-list may be had on application, post-paid.

BRICKS.—H. DODD is enabled to offer his BRICKS, which are of good quality, at the following low prices; and as his sales are only a quarter of an hour's walk from the City, H. D. earnestly requests purchasers will favour him with a visit, in order to inspect his stock and to judge for themselves.

Marie Curran
215, Darnley-road

Yellow iron ore	\$60.	per ton
Pale iron ore	50c.	"
Favorites	45c.	"
Pickings	30c.	"

Delivered within two miles of the beds.
 Marie place, half-washed Mocha and piece bricks, at equally low prices. These bricks are sound, well burnt, and unusually free

are universal; a very large proportion of the stock being suitable for external firing—Apply to HENRY DODD and CO., at the Laying-house, Hexton Brickfields, Grange walk, near the Railway Branch, Hexton. N.B.—Red pit sand of approved quality constantly on sale upon reasonable terms; this sand, from its not containing any saline matter, is acknowledged to be preferable to any sand.

ARCHITECTS and BUILDERS are respectfully invited to try **JOHN ROBERTS'S HOLLOW BRICKS**. Made of suitable size and shape to work with ordinary bricks; they are capable of bearing a pressure of six tons each, having been tried by an eminent Builder in London; they can be delivered in London at prices below good stock bricks, and possess many advantages too numerous to single in an advertisement.—Apply to **JOHN ROBERTS, 45, Abchurch Lane, near Northumberland House, E.C. 4.**

1. *Journal of the American Medical Association*, 1997; 278: 1025-1030.
